WHAT IS CLAIMED IS:

A data storage device for storing and accessing data in tracks on a medium, the storage device having a suspension comprising:

 a metal material defining at least a portion of the suspension;
 an adhesive bonded to a portion of the metal material; and
 a composite material having a higher stiffness to weight ratio than the metal material and being bonded to the adhesive.

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- 2. The data storage device of claim 1 wherein the metal material defines a load beam of the suspension and the adhesive and the composite material are positioned on the load beam.
- 3. The data storage device of claim 1 wherein the metal material defines a base area of the suspension and the adhesive and the composite material are positioned on the base area.
- 4. The data storage device of claim 1 wherein the metal material defines a spring area having a first bonding area, the composite material defines a load beam having a second bonding area and the adhesive is bonded between the first bonding area and the second bonding area.
- 5. The data storage device of claim 1 wherein the metal material defines a spring area having a first bonding area, the composite material defines a base area having a second bonding area and the adhesive is bonded between the first bonding area and the second bonding area.

- 6. The data storage device of claim 1 wherein the composite material comprises a high performance plastic.
- 7. The data storage device of claim 6 wherein the composite material comprises a liquid crystal polymer.
- 8. The data storage device of claim 1 wherein the composite material comprises a reinforced plastic.
- 9. The data storage device of claim 1 wherein the composite material comprises a metal matrix composite.
- 10. The data storage device of claim 9 wherein the metal matrix composite comprises aluminum with alumina fibers.
- 11. The data storage device of claim 1 wherein the composite material comprises a ceramic material.
- 12. The data storage device of claim 1 wherein the composite material comprises a glass material.
- 13. A suspension for a data storage device, the suspension comprising:

a suspension body formed from a layer of metal; and

a composite stiffener formed from a composite material and bonded to a portion of the suspension body.

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- 14. The suspension of claim 13 wherein the composite stiffener is bonded to a base area of the suspension body.
- 15. The suspension of claim 13 wherein the composite stiffener is bonded to a load beam of the suspension body.
- 16. The suspension of claim 13 wherein the composite material comprises a high performance plastic.
- 17. The suspension of claim 13 wherein the composite material comprises a reinforced plastic.
- 18. The suspension of claim 13 wherein the composite material comprises a metal matrix composite.
- 19. The suspension of claim 13 wherein the composite material comprises a ceramic material.
- 20. The suspension of claim 13 wherein the composite material comprises a glass material.
- 21. A suspension for a storage device, the suspension comprising: a suspension body formed from a layer of metal; and

stiffener means formed of a composite material for increasing the stiffness of selected areas of the suspension.

- 22. The suspension of claim 21 wherein the stiffener means comprises a composite material bonded to a base area of the suspension body.
- 23. The suspension of claim 21 wherein the stiffener means comprises a composite material bonded to a load beam of the suspension body.
- 24. The suspension of claim 21 wherein the stiffener means comprises a composite material having a higher stiffness to mass ratio than the layer of metal.
- 25. The suspension of claim 21 wherein the stiffener means comprises a metal matrix.